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Telephone: 503/226-7391

Our Ref. No. 245-66956
For: MODELING SUBSTRATE
NOISE COUPLING USING
SCALABLE PARAMETERS
Express Mail No. EV339201219US
Mailed: October 9, 2003

FIG. 1

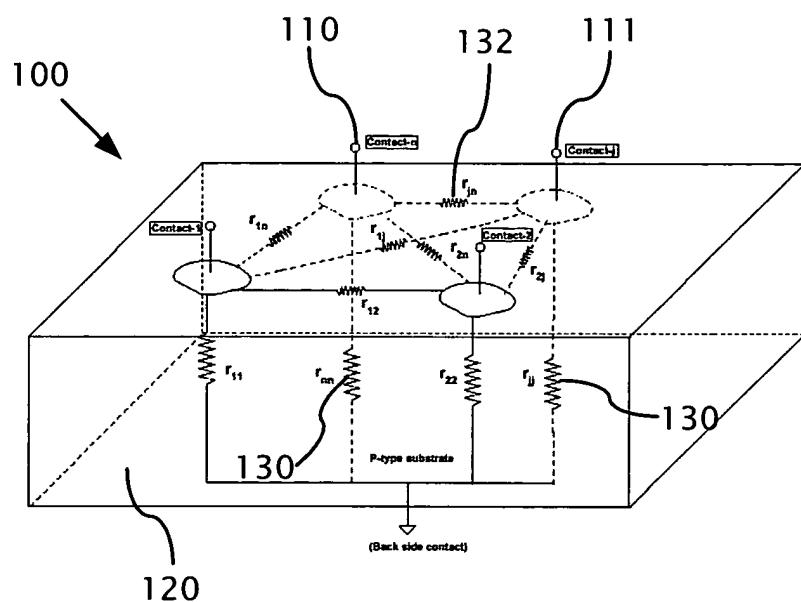
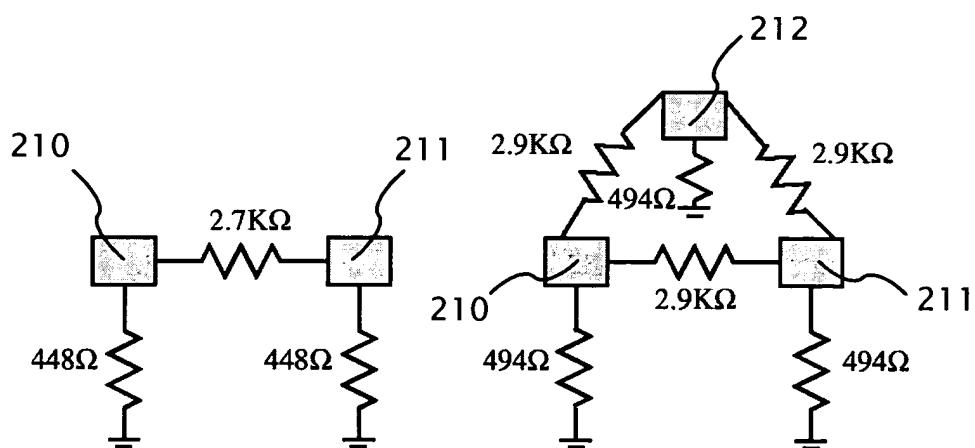


FIG. 2A

FIG. 2B



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FIG. 3

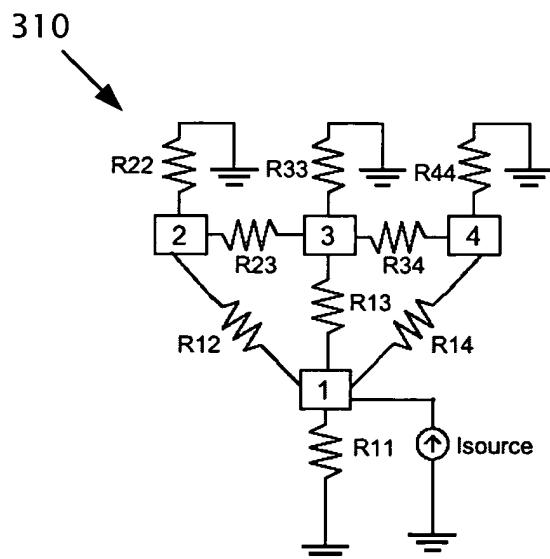
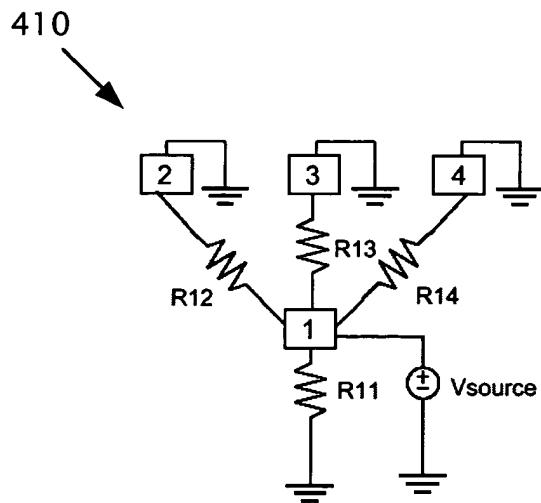


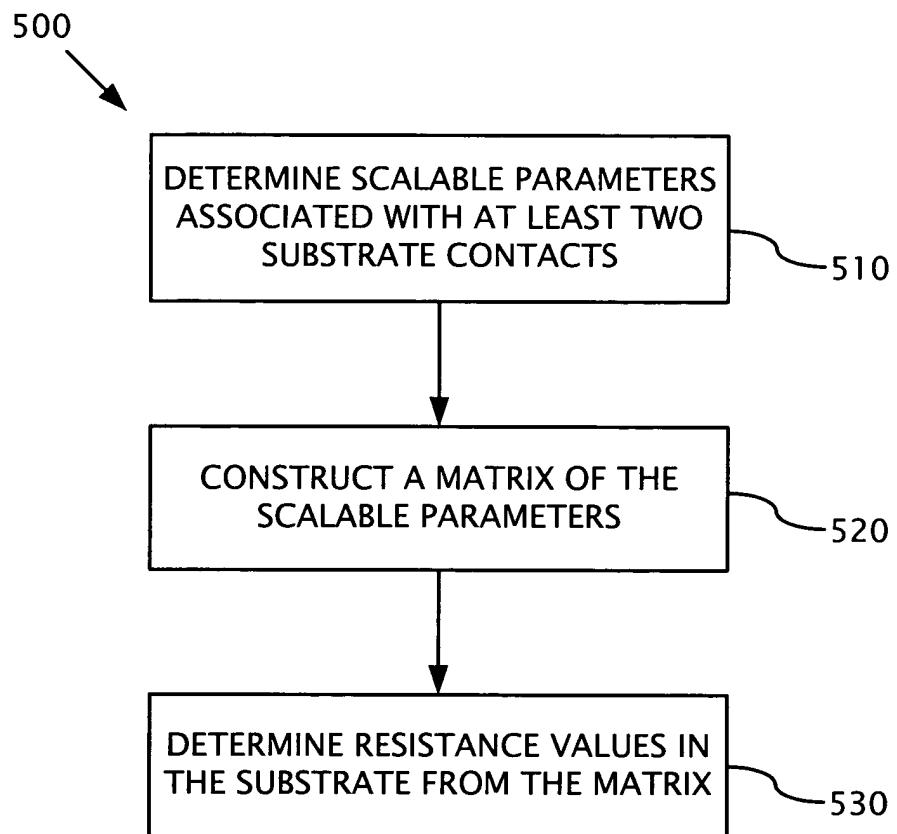
FIG. 4



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FIG. 5

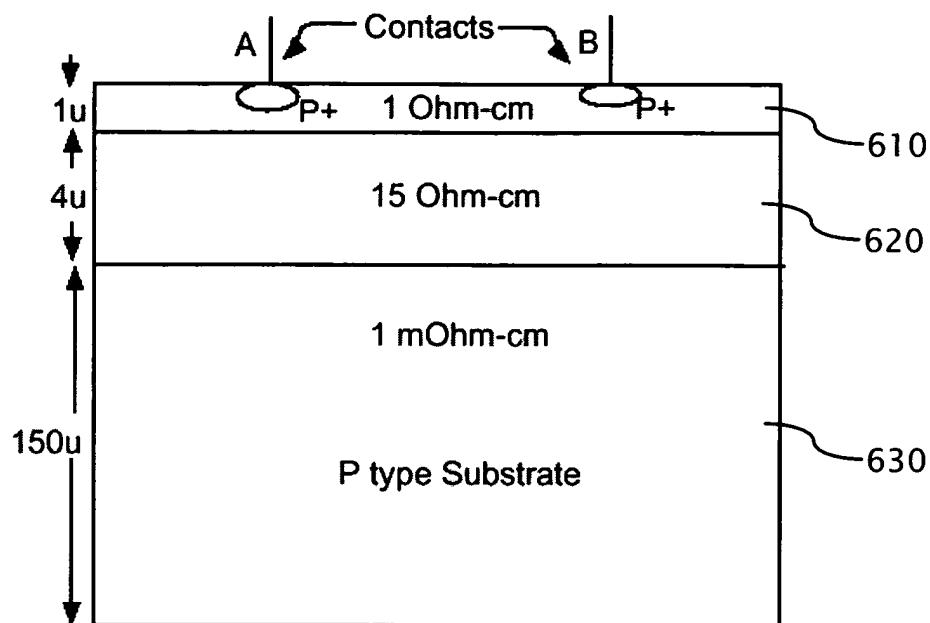


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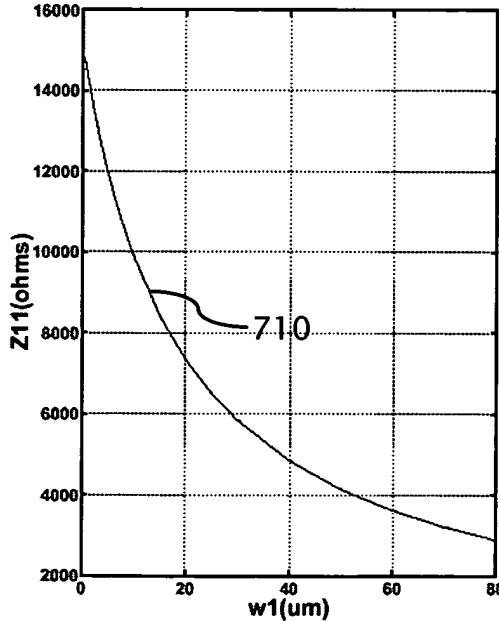
600

FIG. 6



700

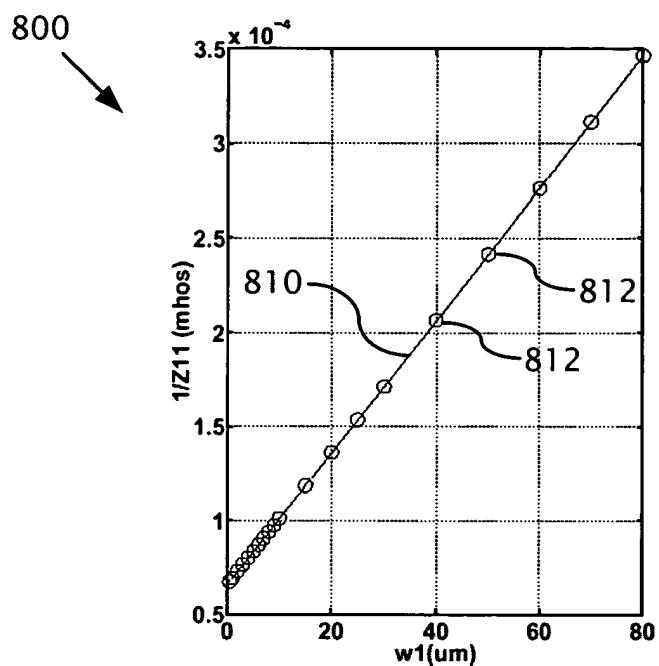
FIG. 7



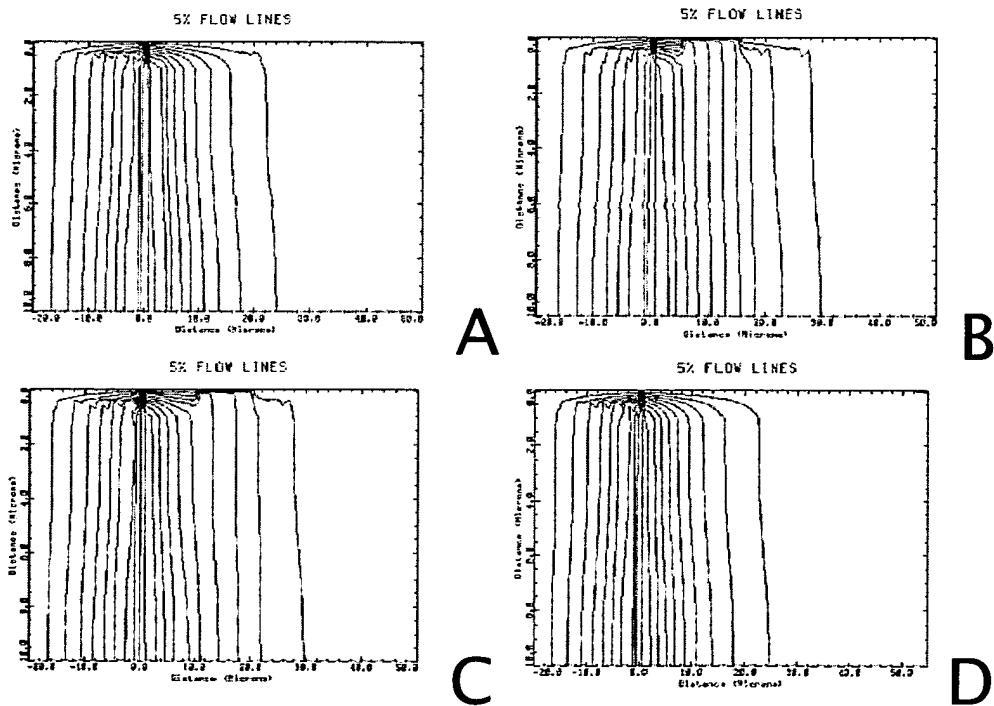
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FIG. 8



FIGS. 9A-D



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FIG. 10

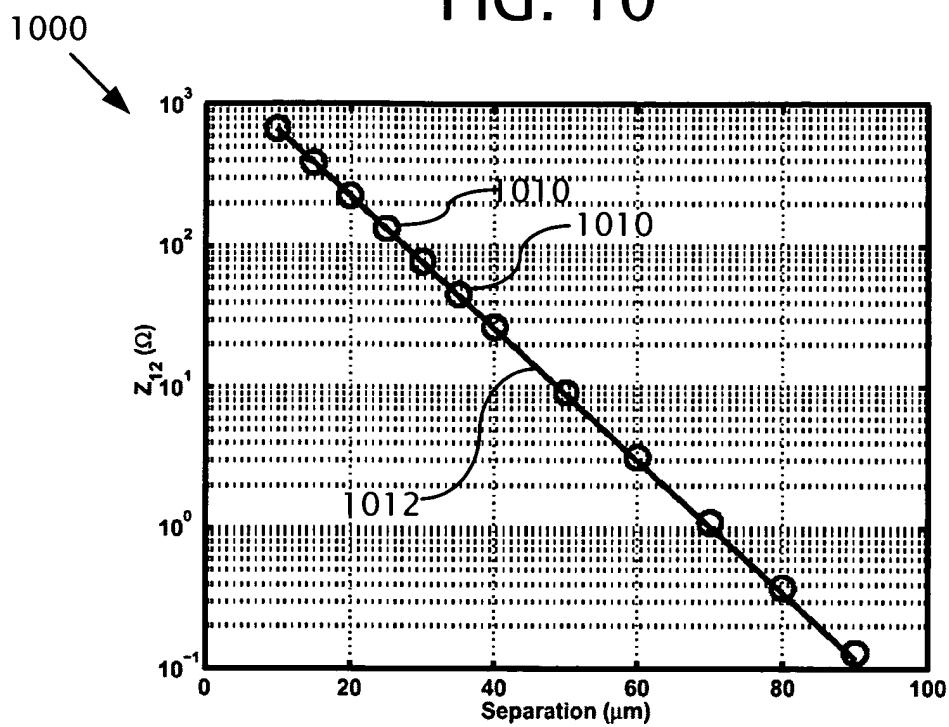
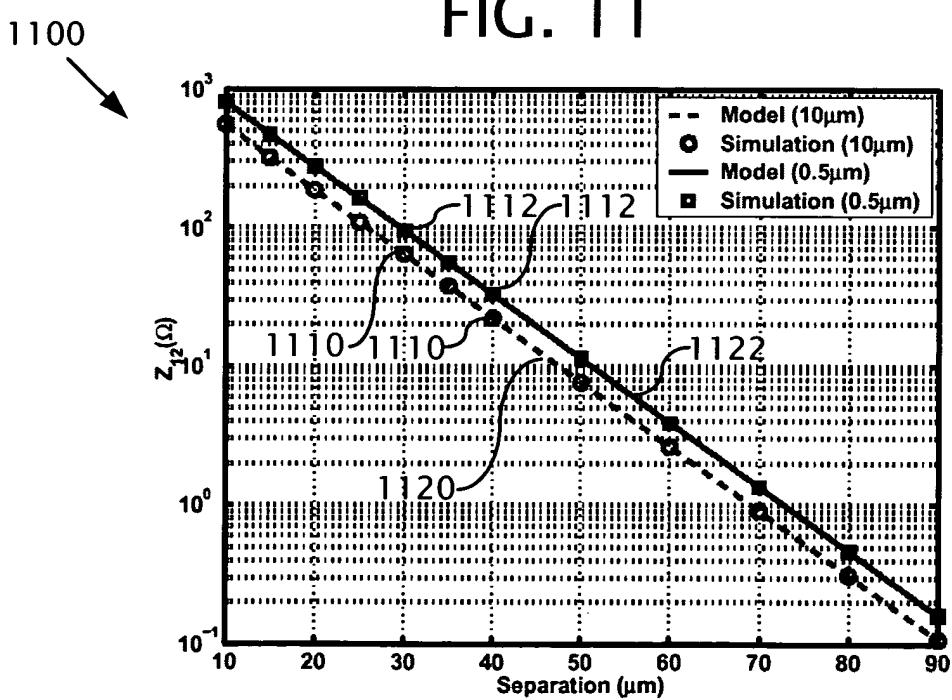


FIG. 11



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FIG. 12

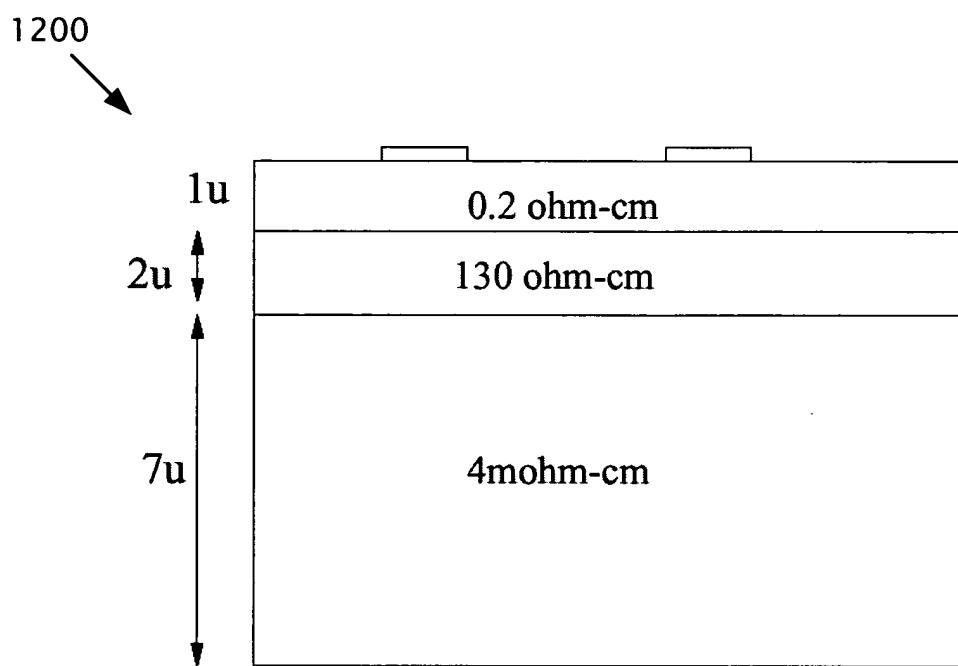
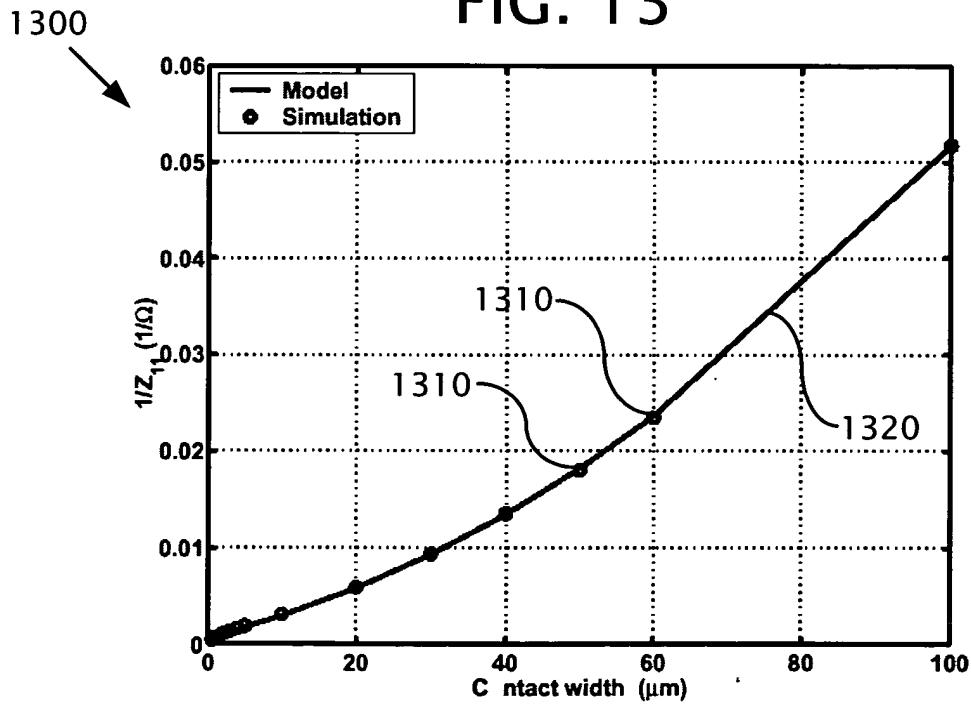


FIG. 13



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FIG. 14

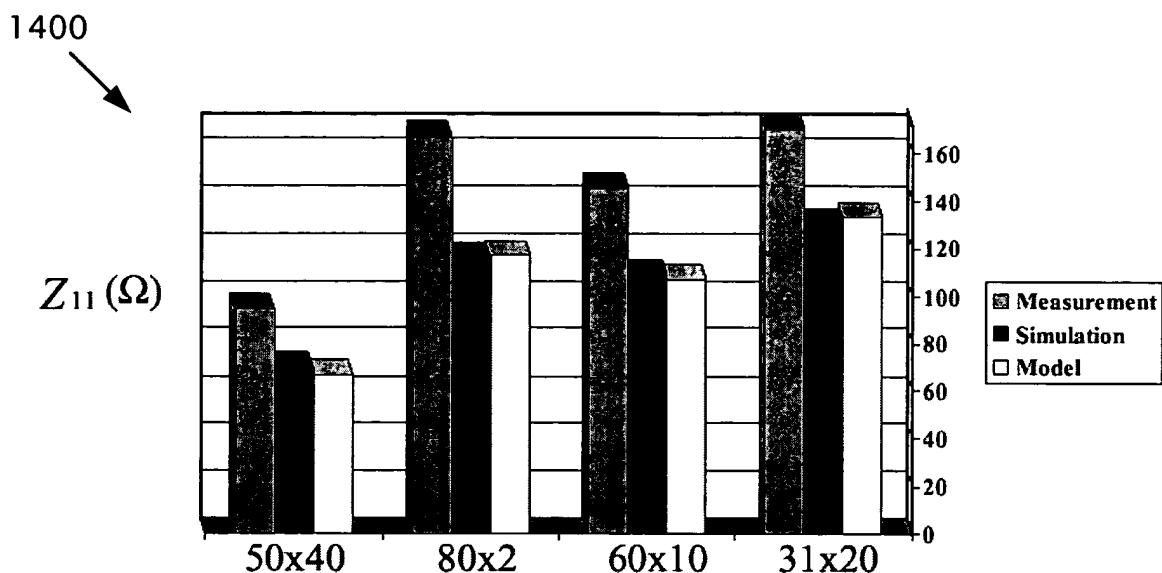
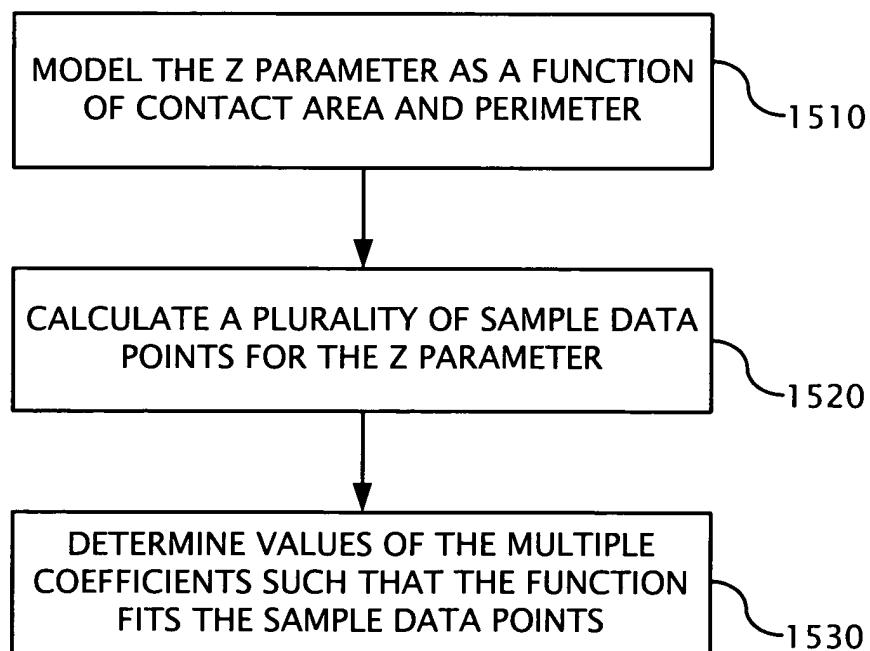


FIG. 15



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FIG. 16

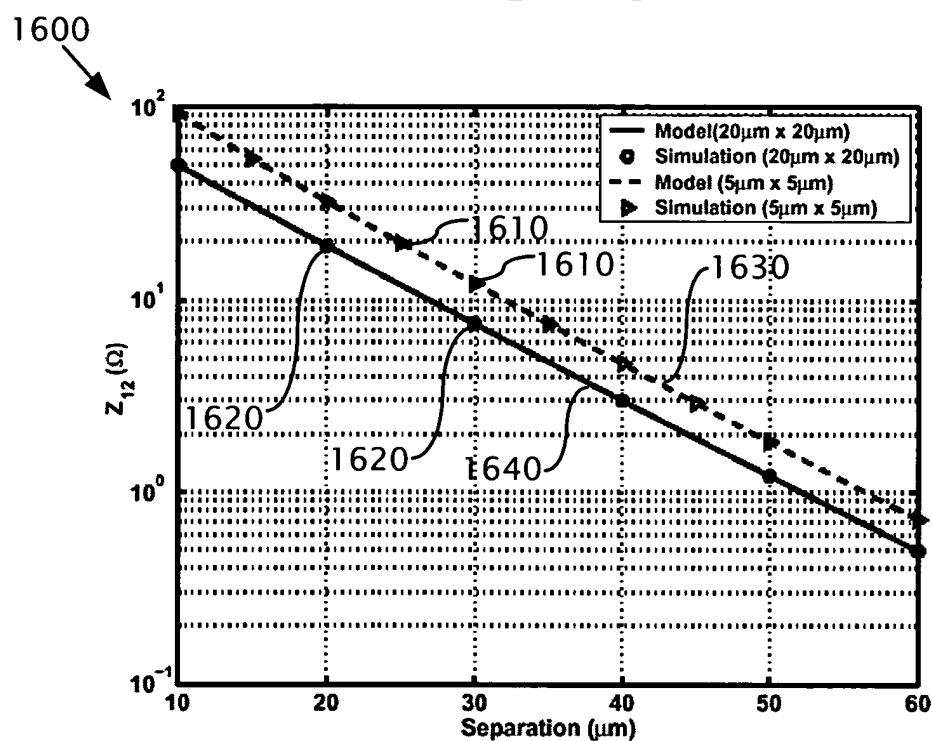
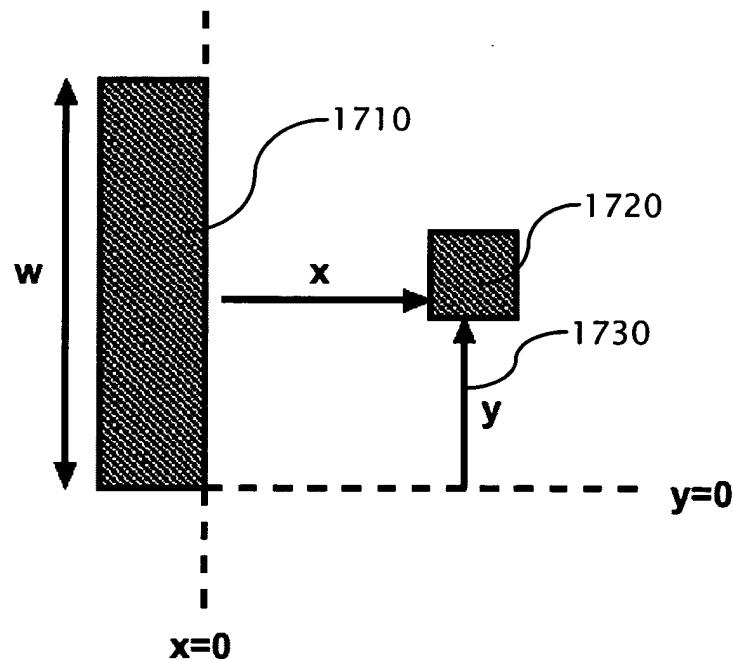


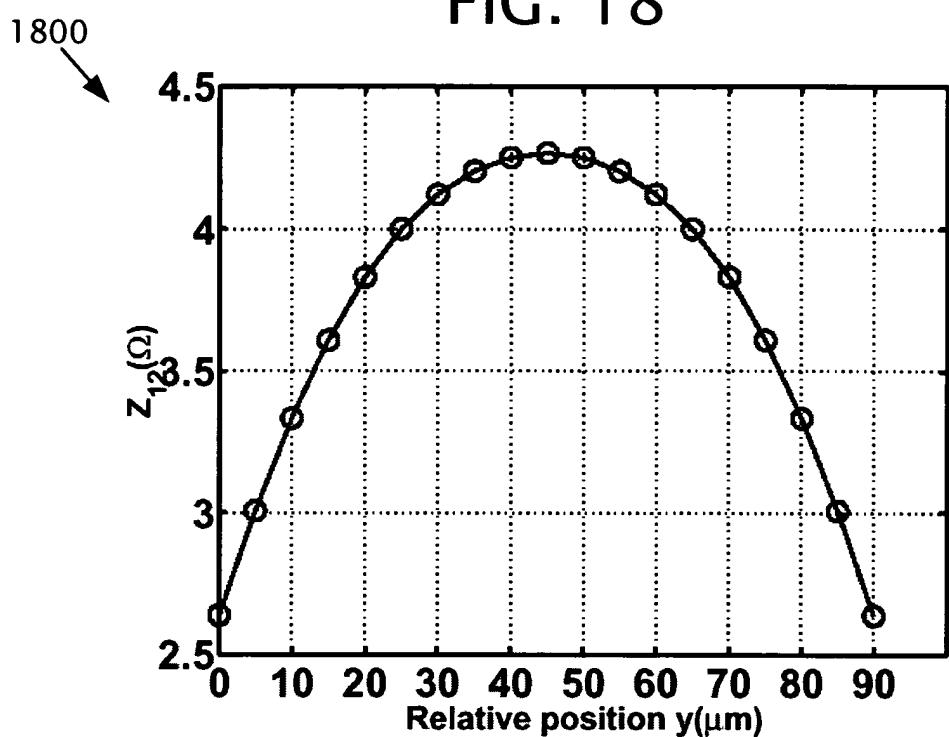
FIG. 17



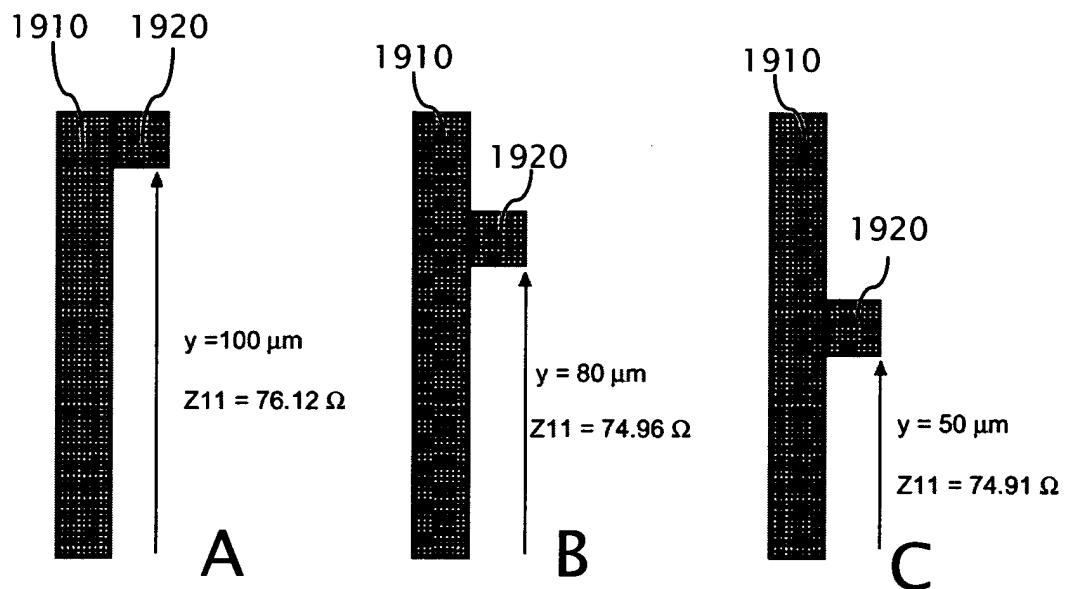
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FIG. 18



FIGS. 19A-C



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FIG. 20A

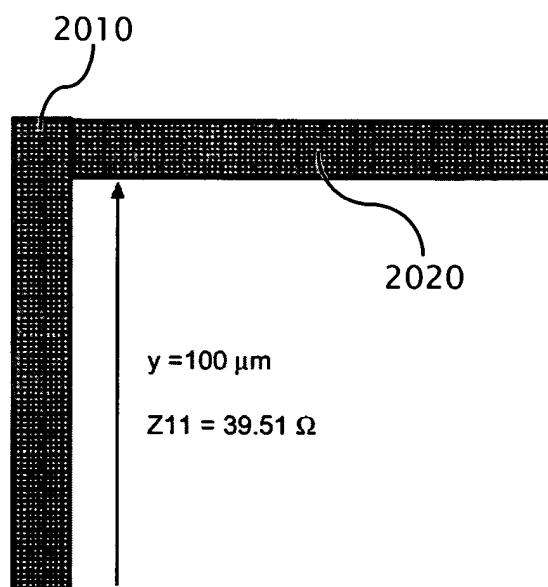
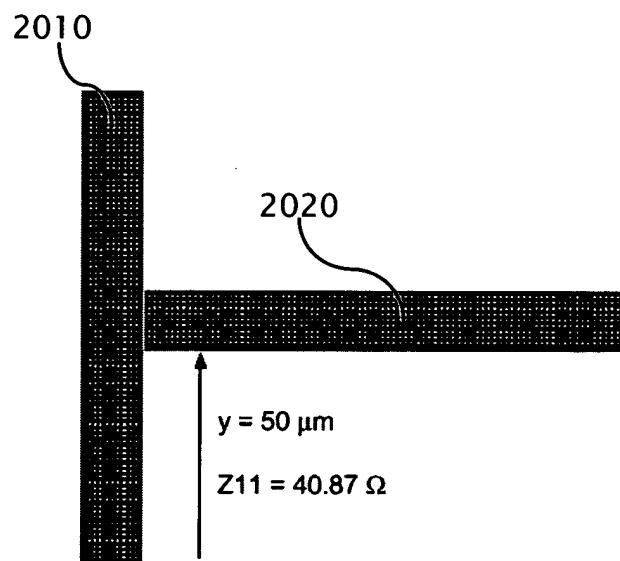


FIG. 20B

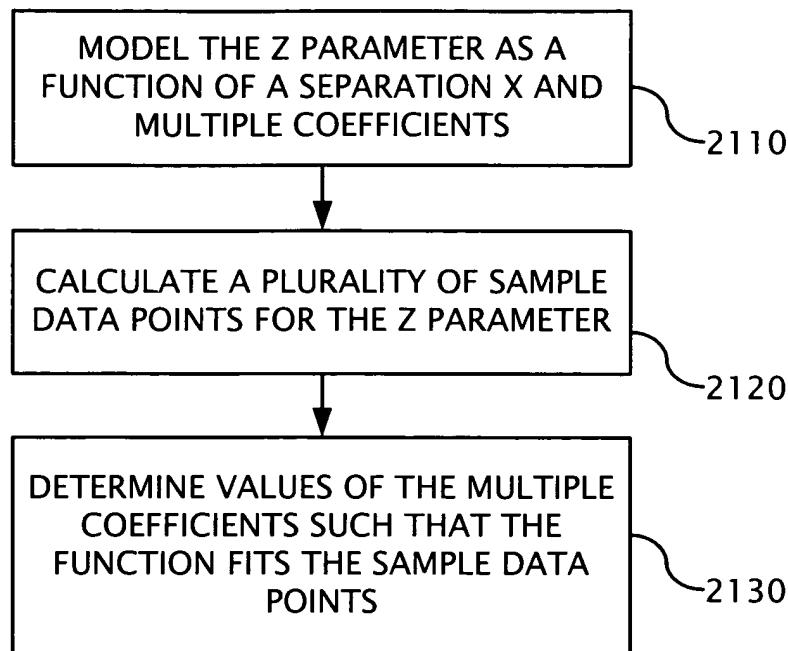


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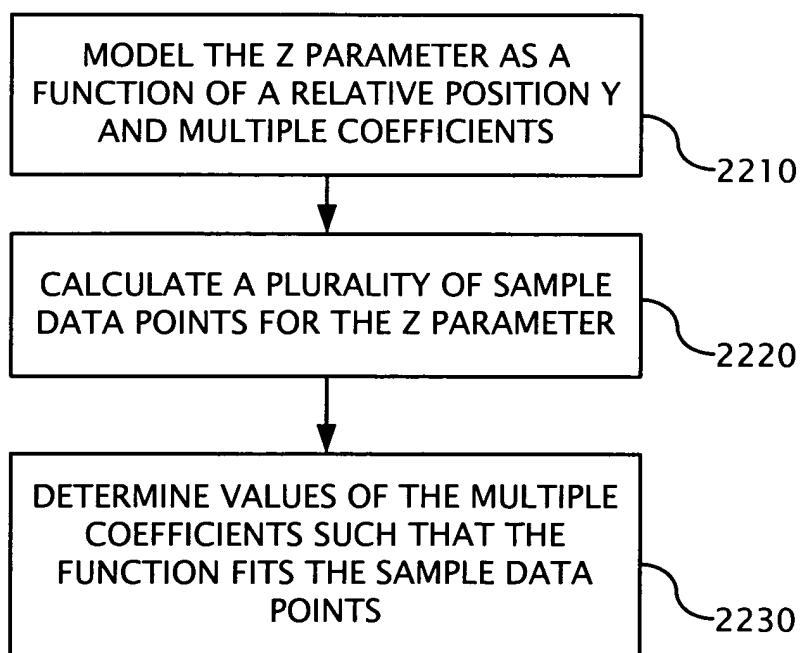
2100

FIG. 21



2200

FIG. 22



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FIG. 23

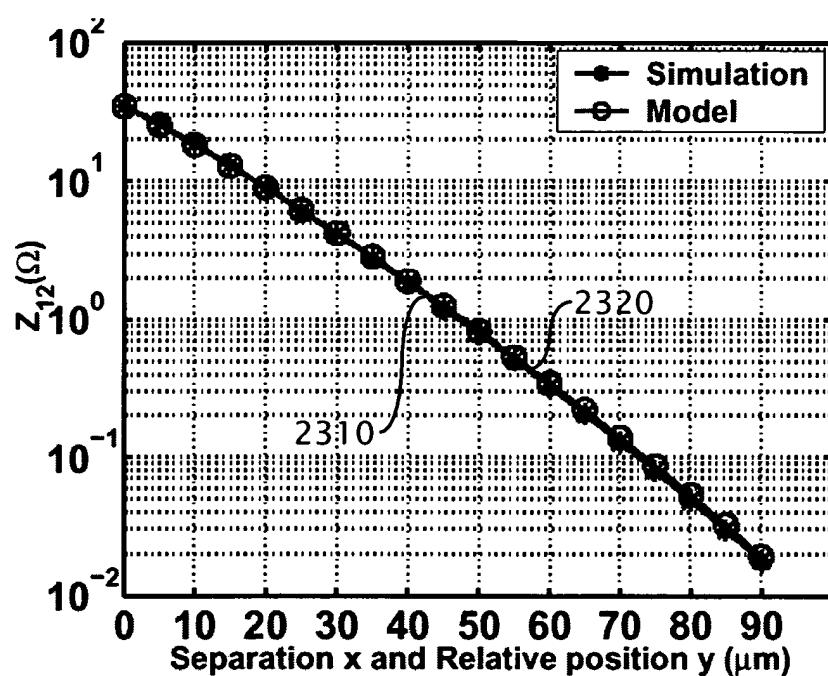
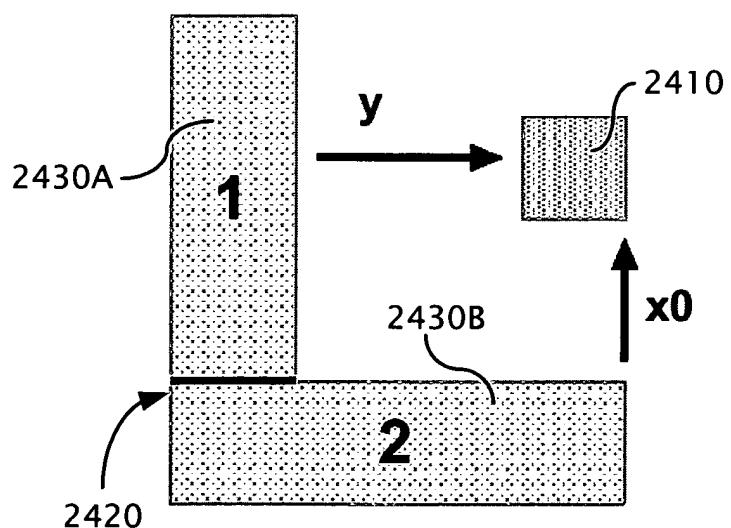


FIG. 24



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FIG. 25

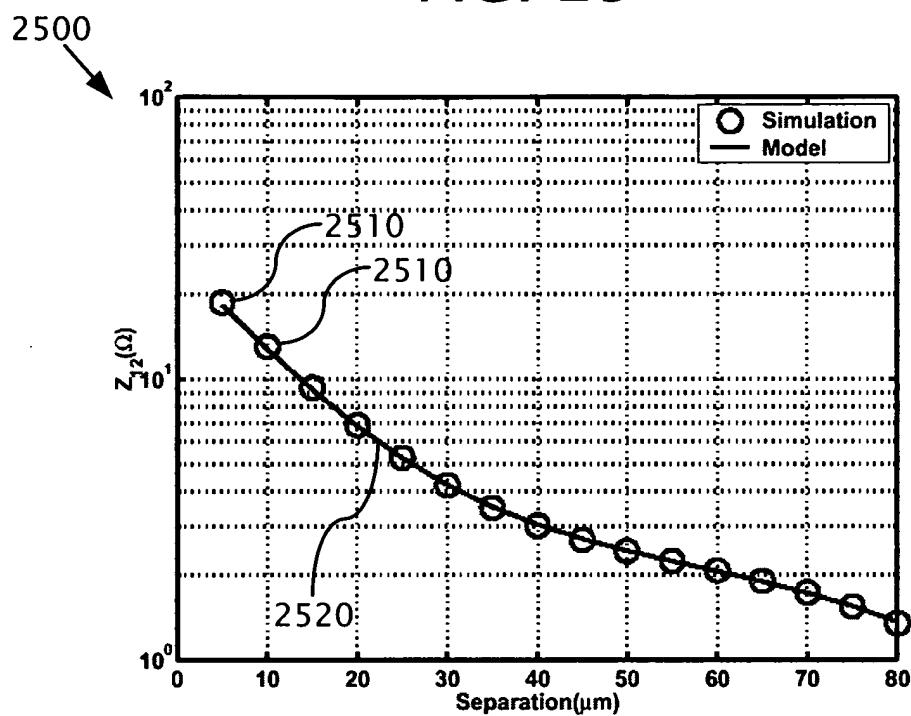
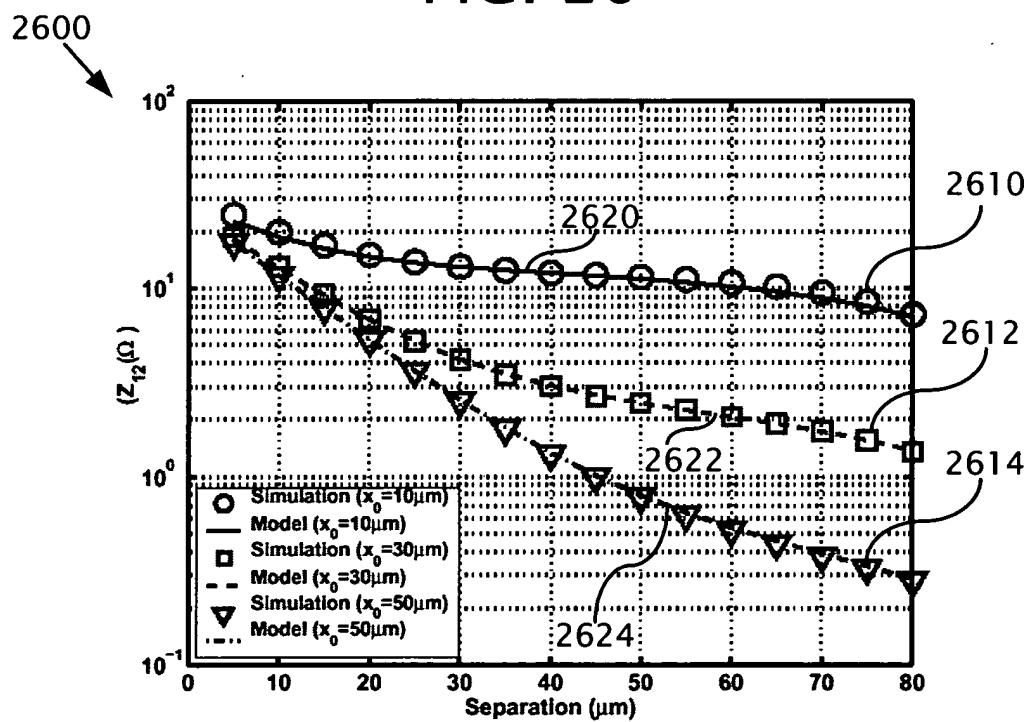


FIG. 26



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FIG. 27

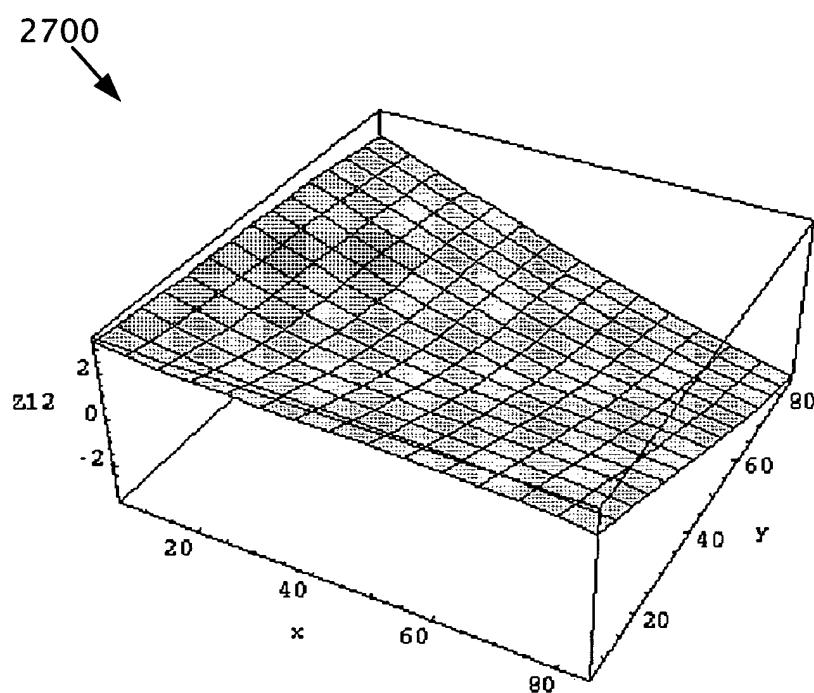
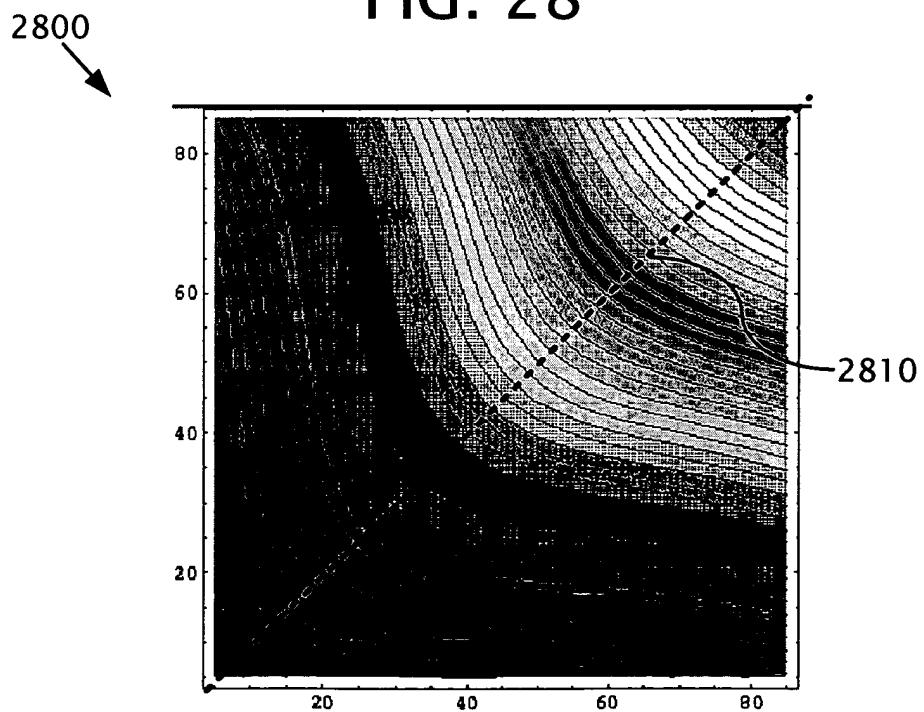


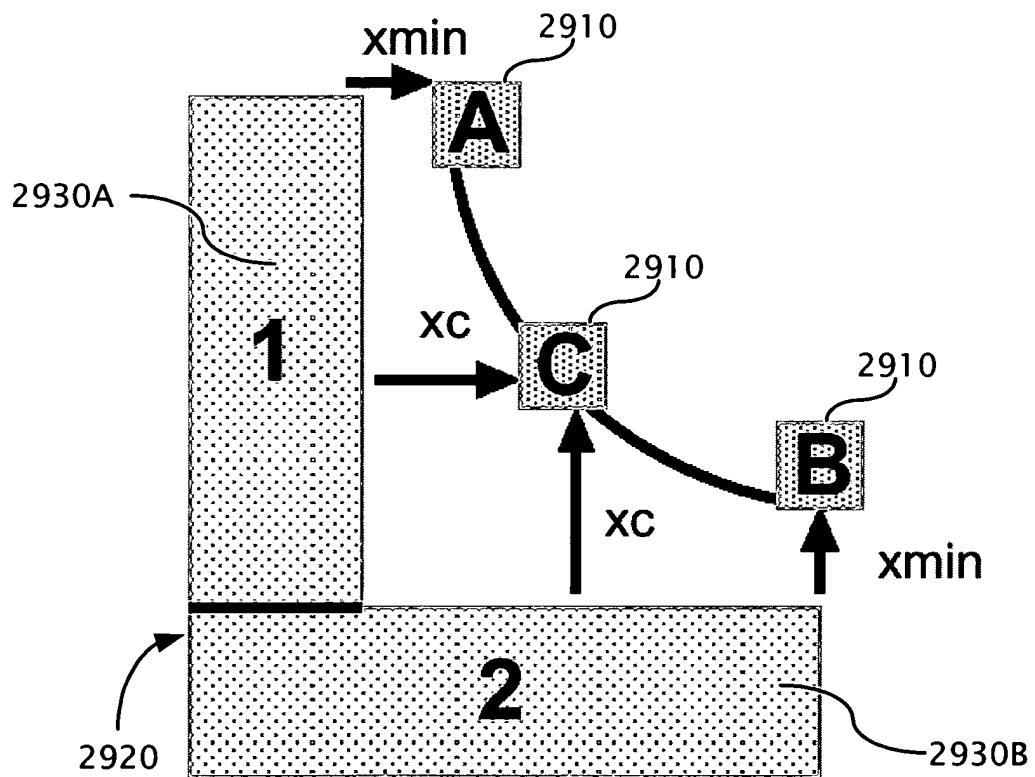
FIG. 28



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FIG. 29



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FIG. 30

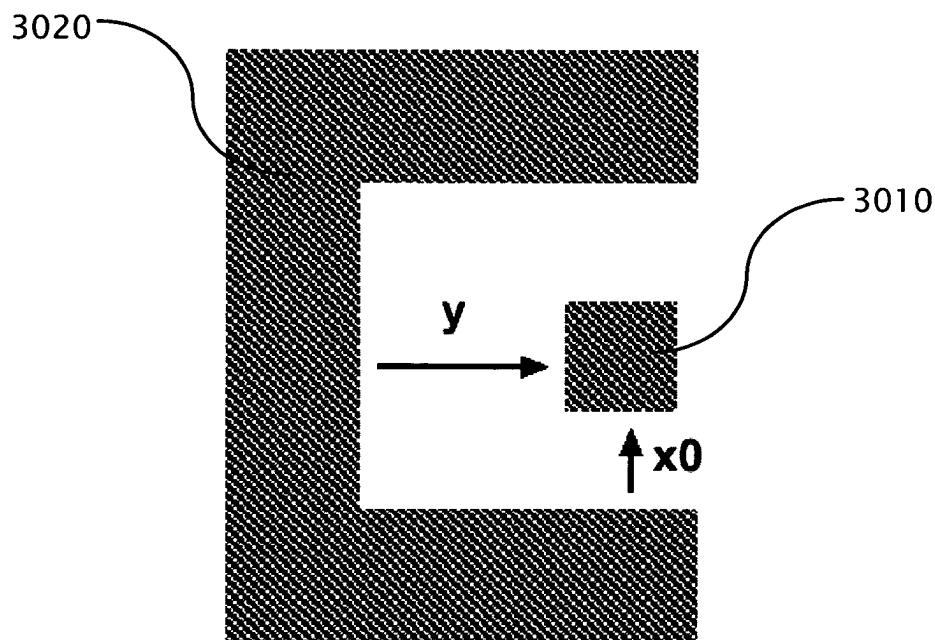
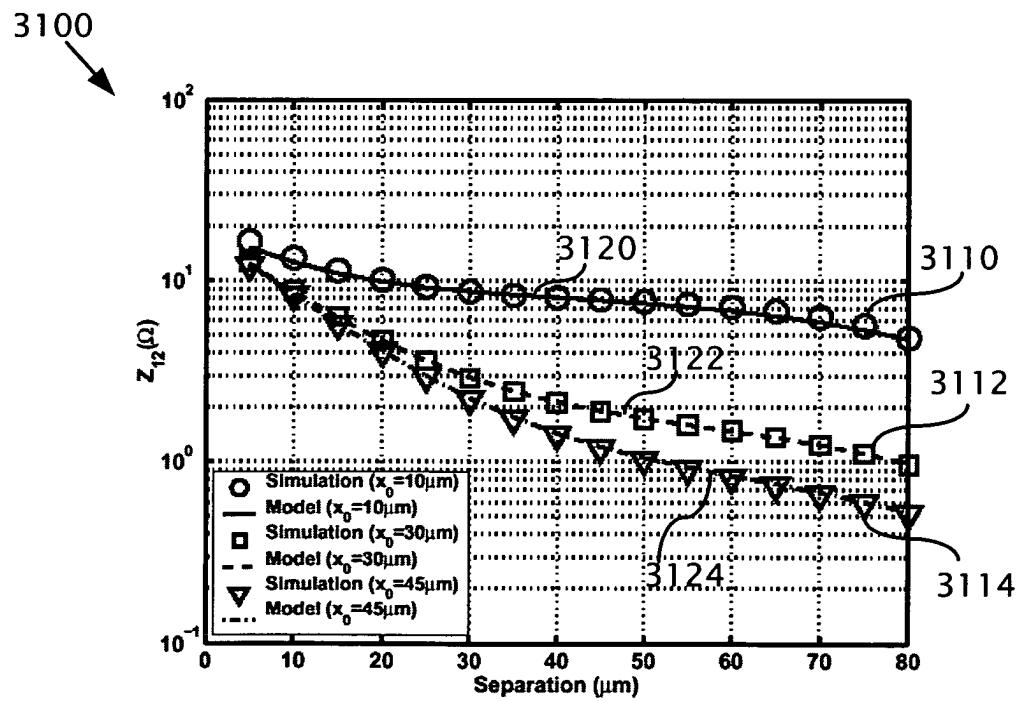


FIG. 31



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FIG. 32

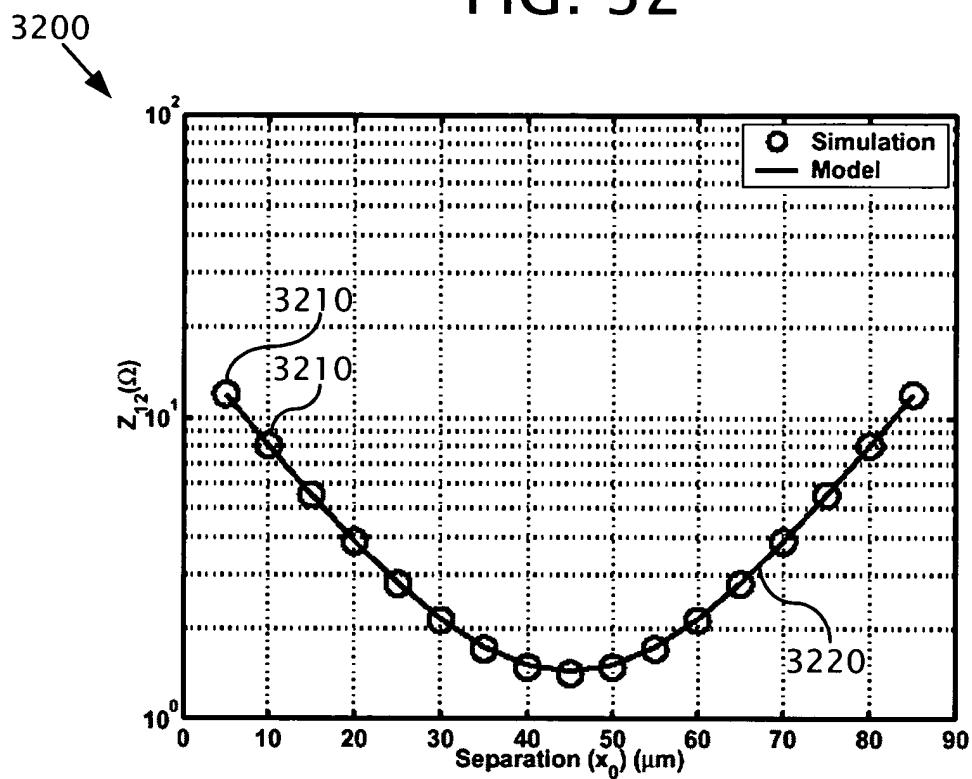
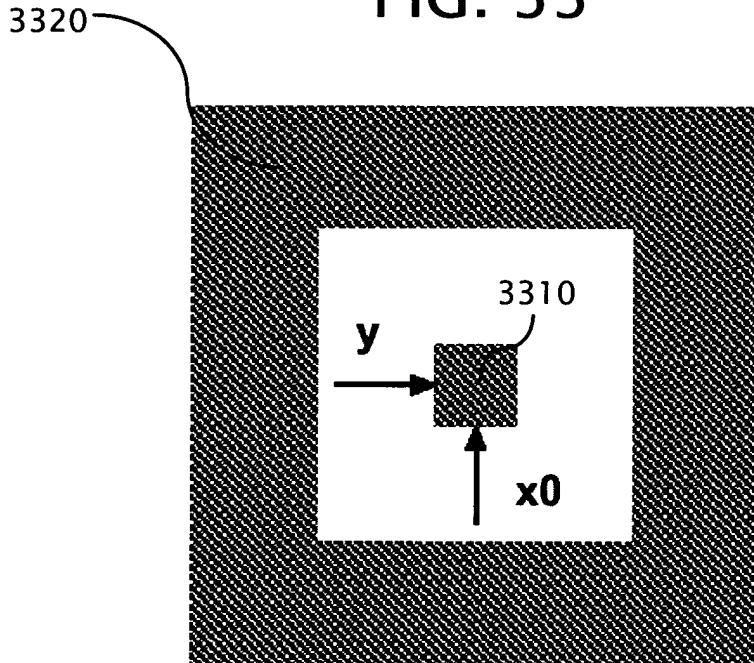


FIG. 33



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FIG. 34

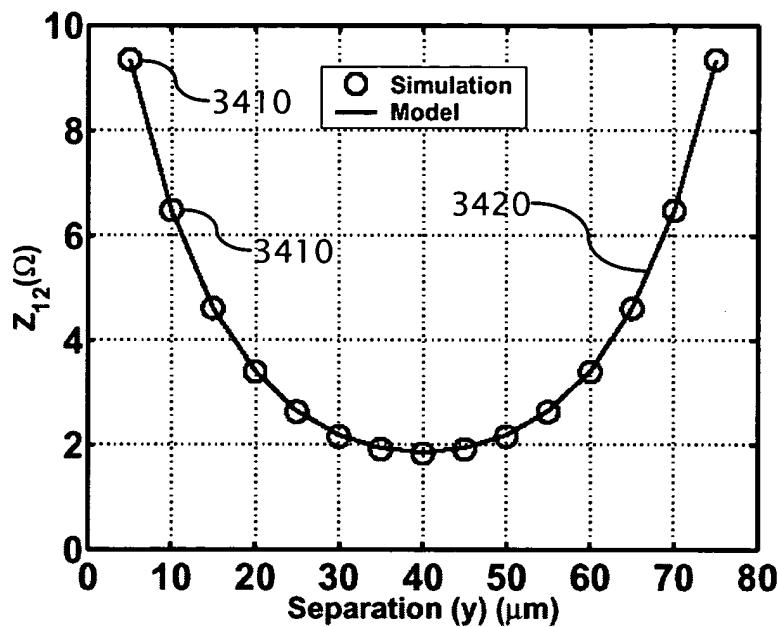
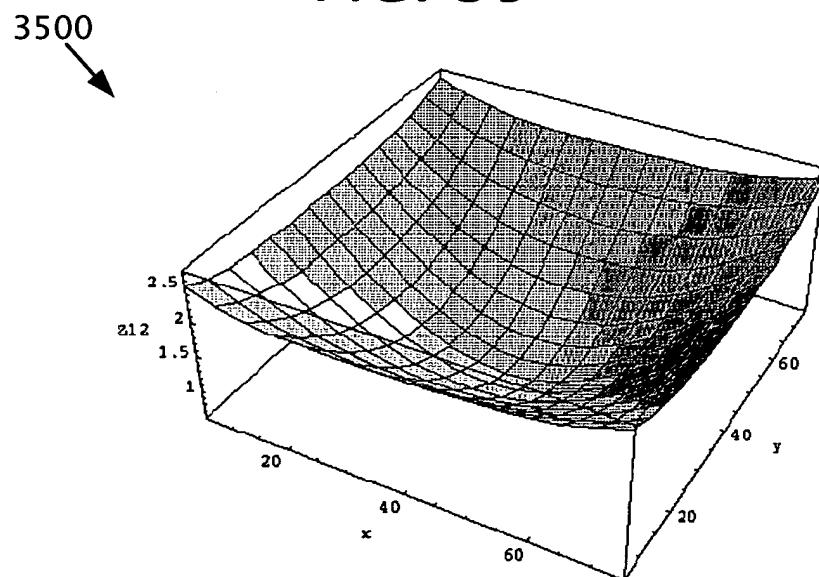


FIG. 35



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FIG. 36A
(PRIOR ART)

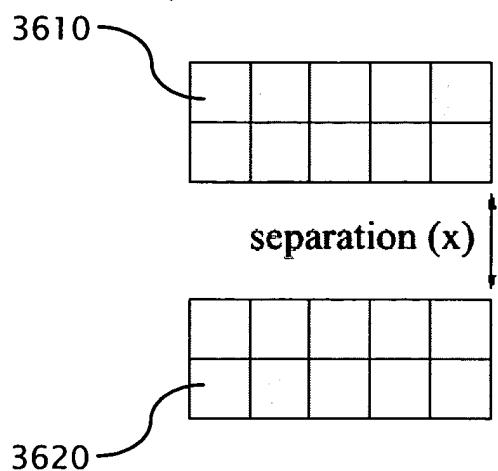


FIG. 36B

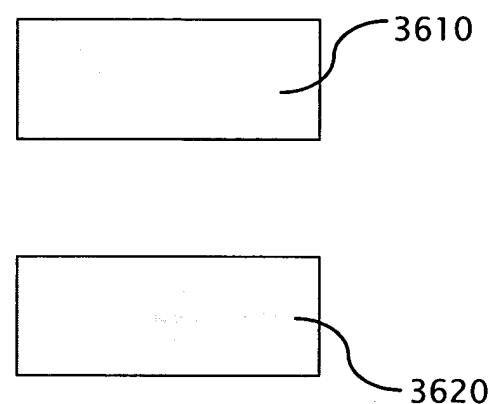
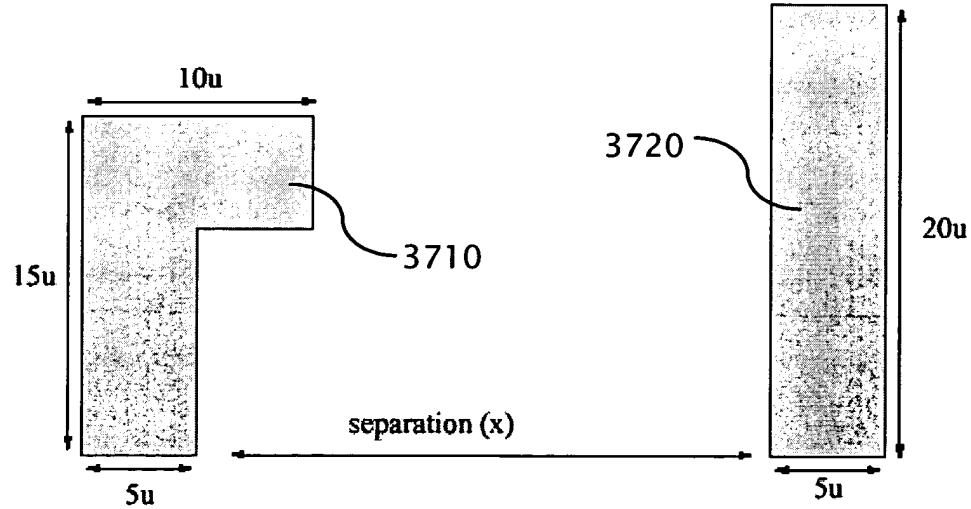


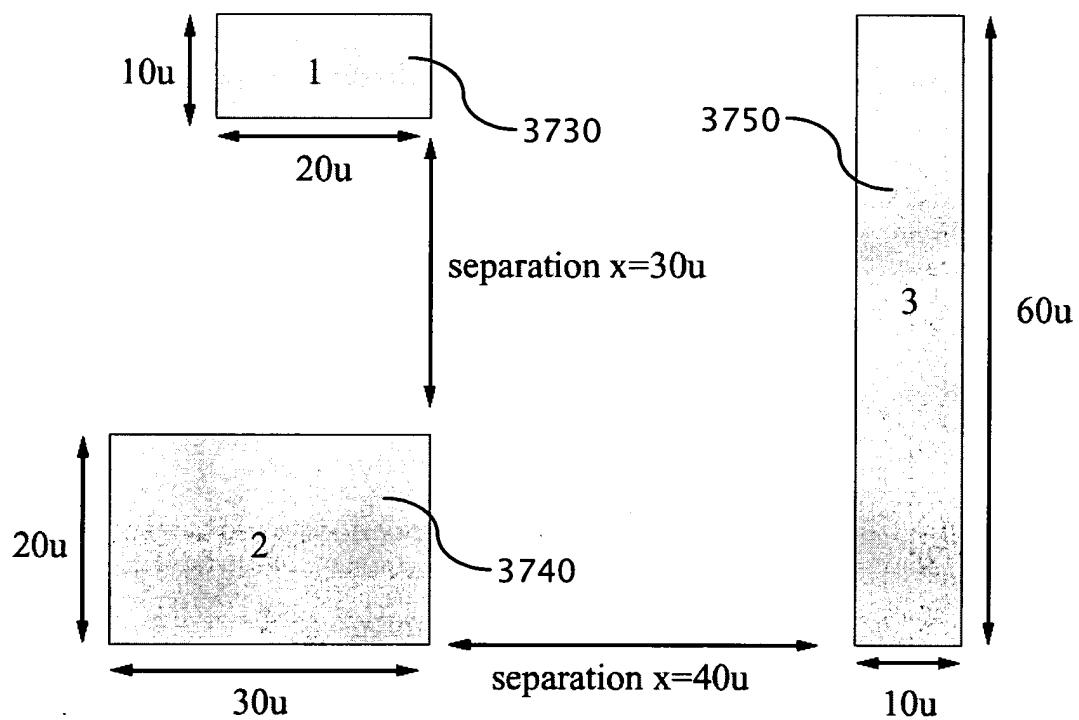
FIG. 37A



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FIG. 37B



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FIG. 38
(PRIOR ART)

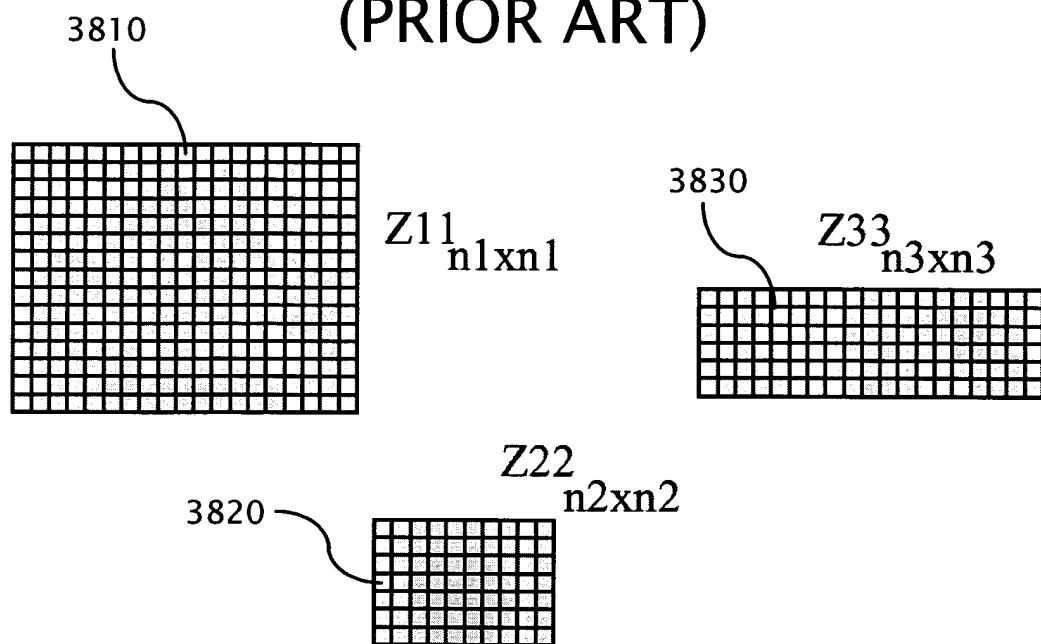
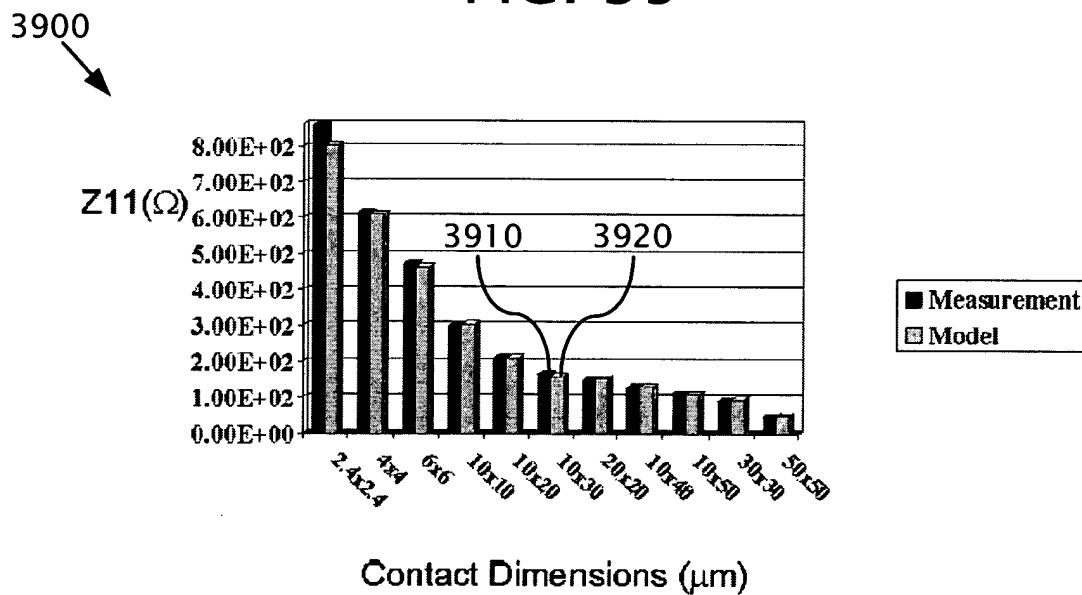


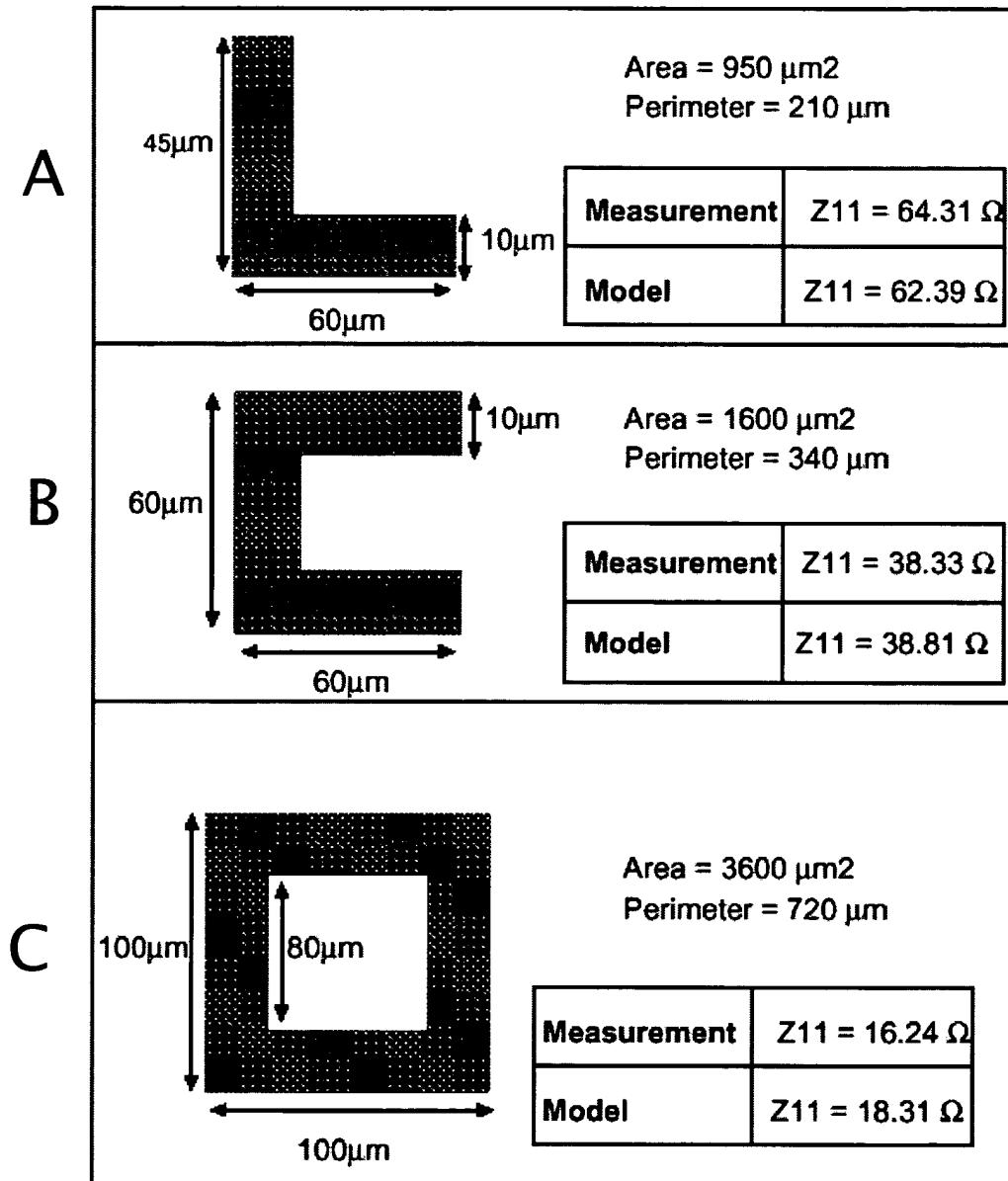
FIG. 39



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FIGS. 40A-C



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FIG. 41

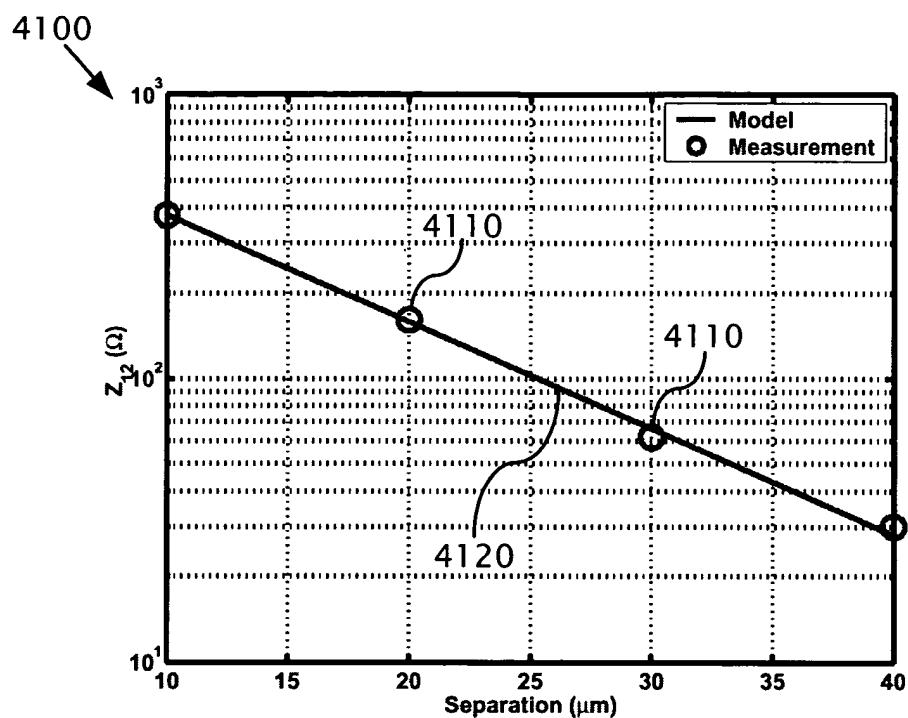
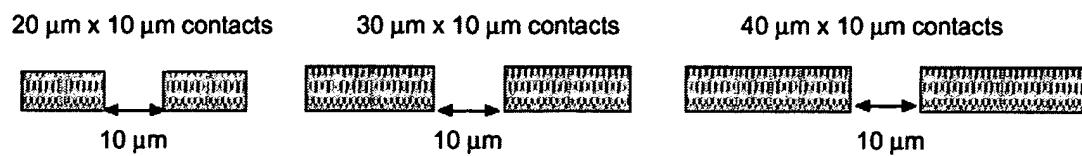


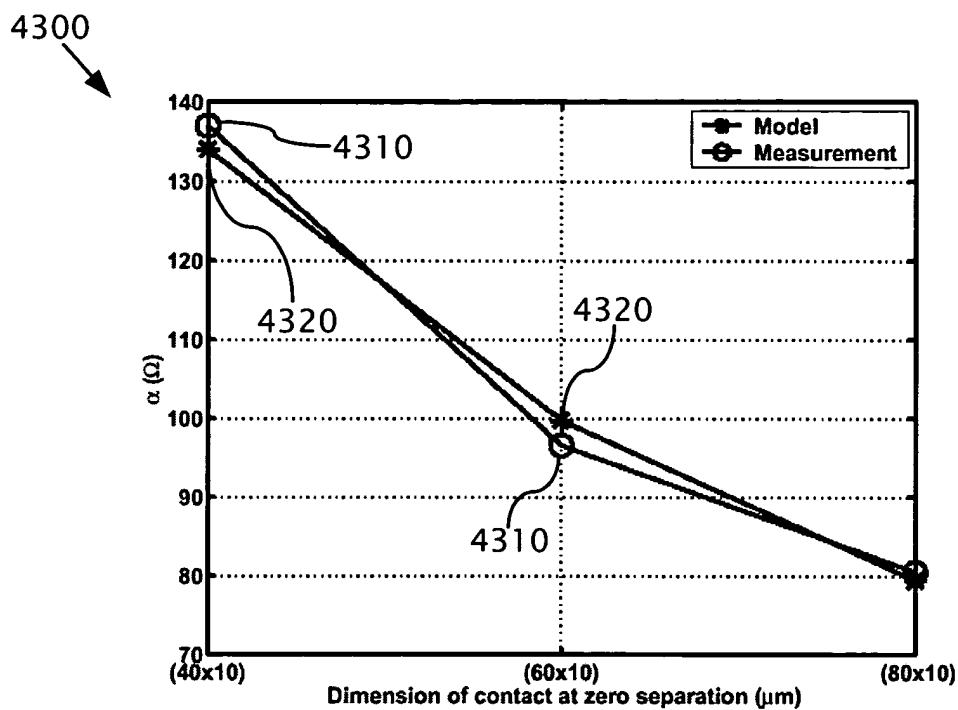
FIG. 42



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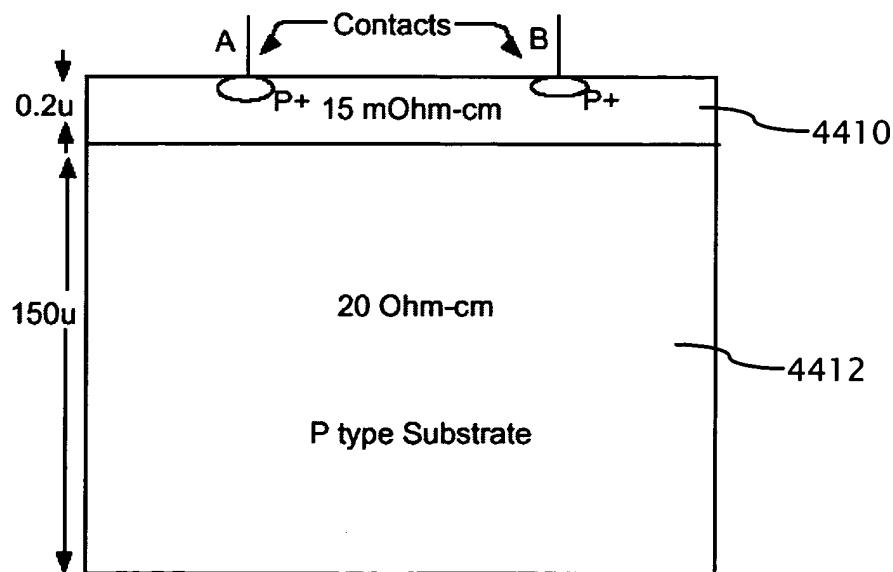
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FIG. 43



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FIG. 44



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FIG. 45A

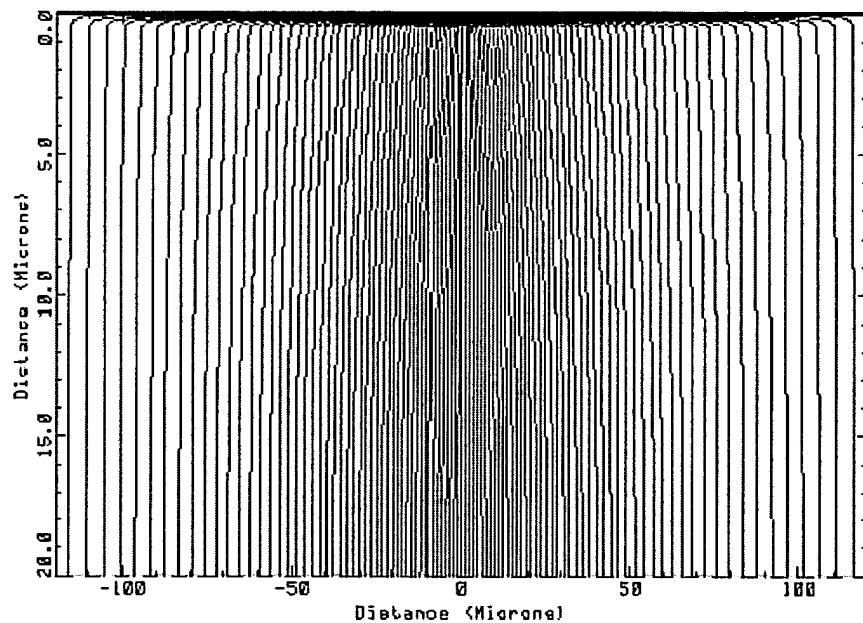
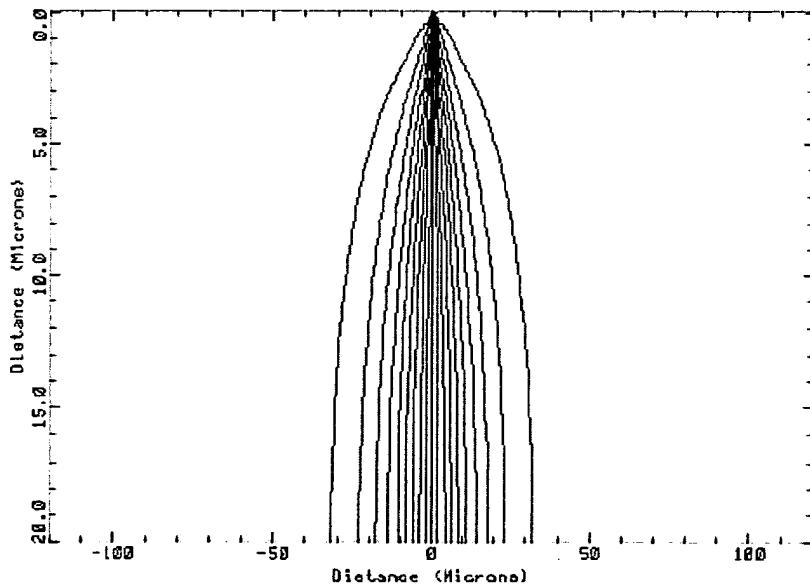


FIG. 45B



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FIG. 46

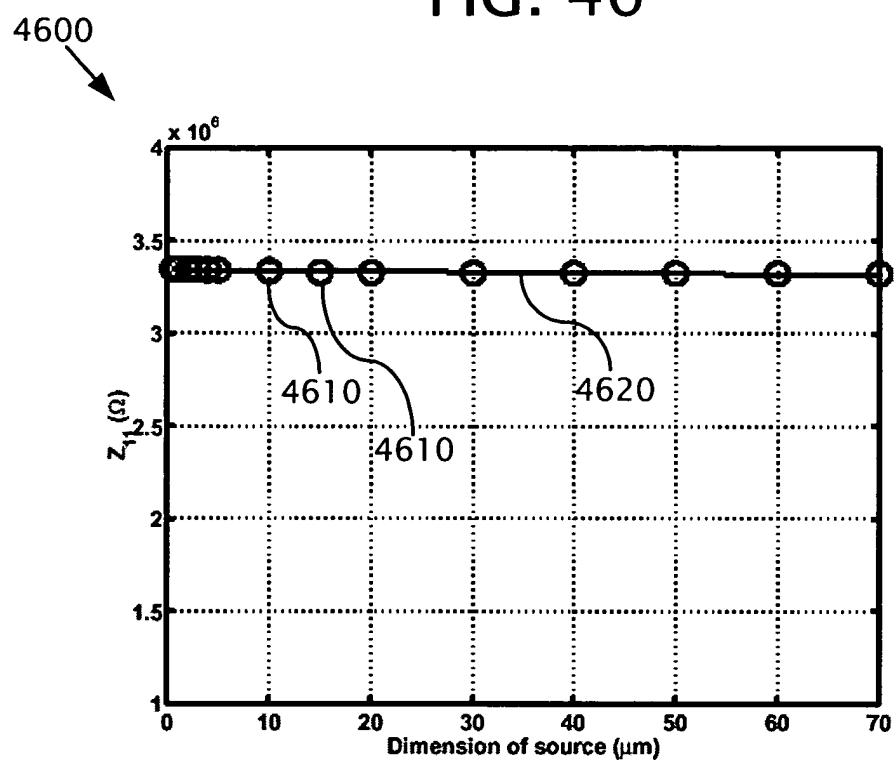
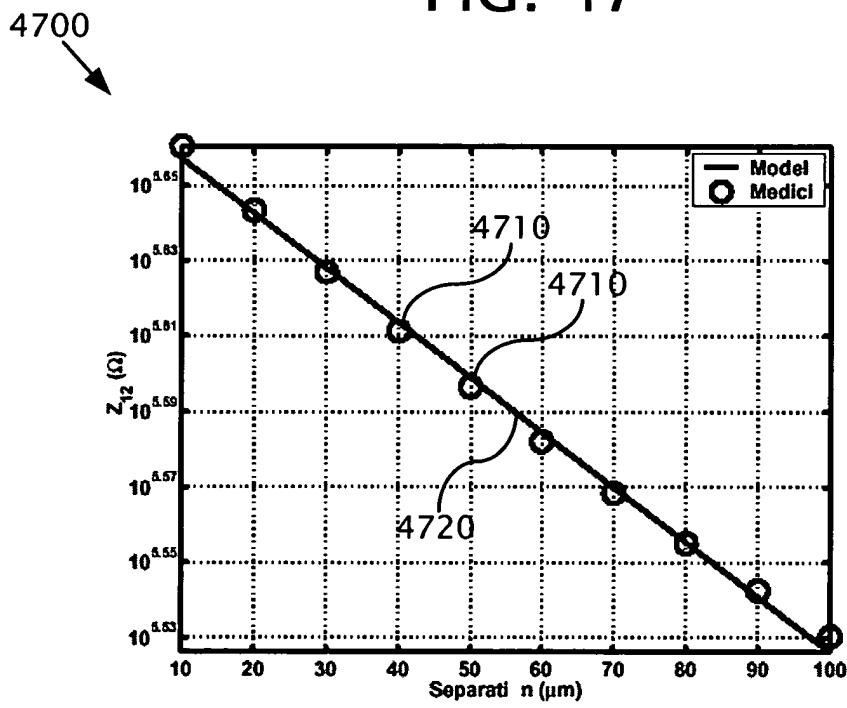


FIG. 47

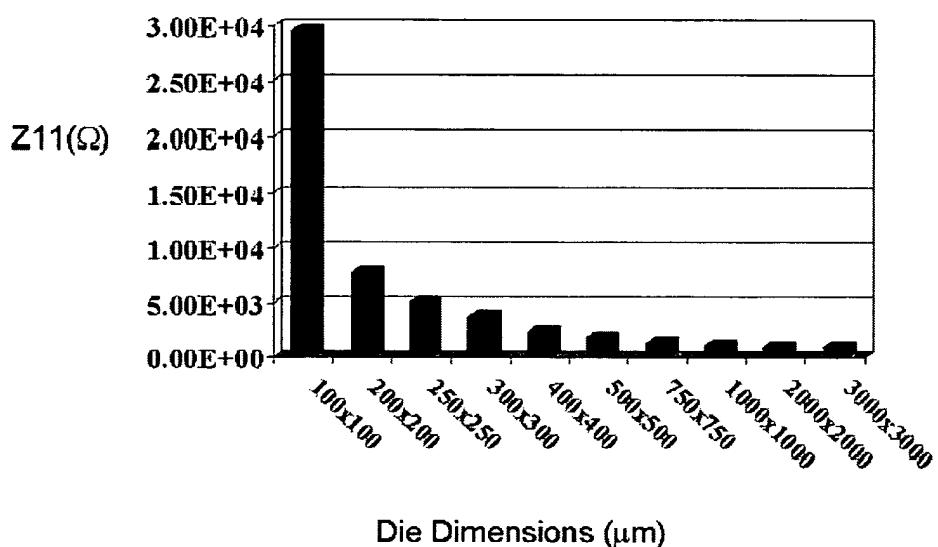


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FIG. 48

4800

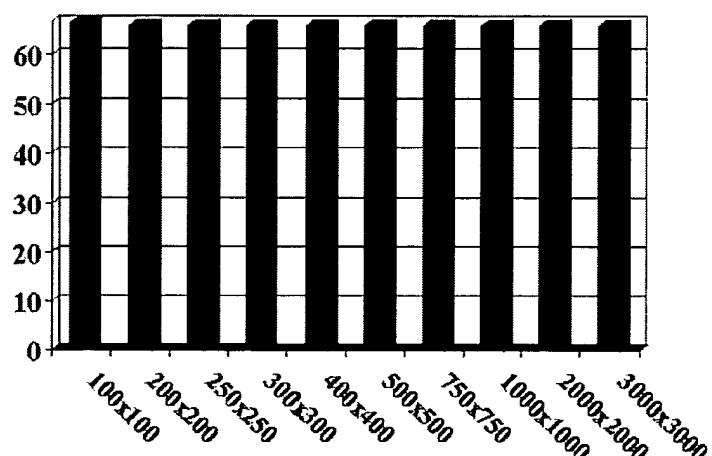


4900

FIG. 49

Z11(Ω)

Die Dimensions (μm)



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FIG. 50

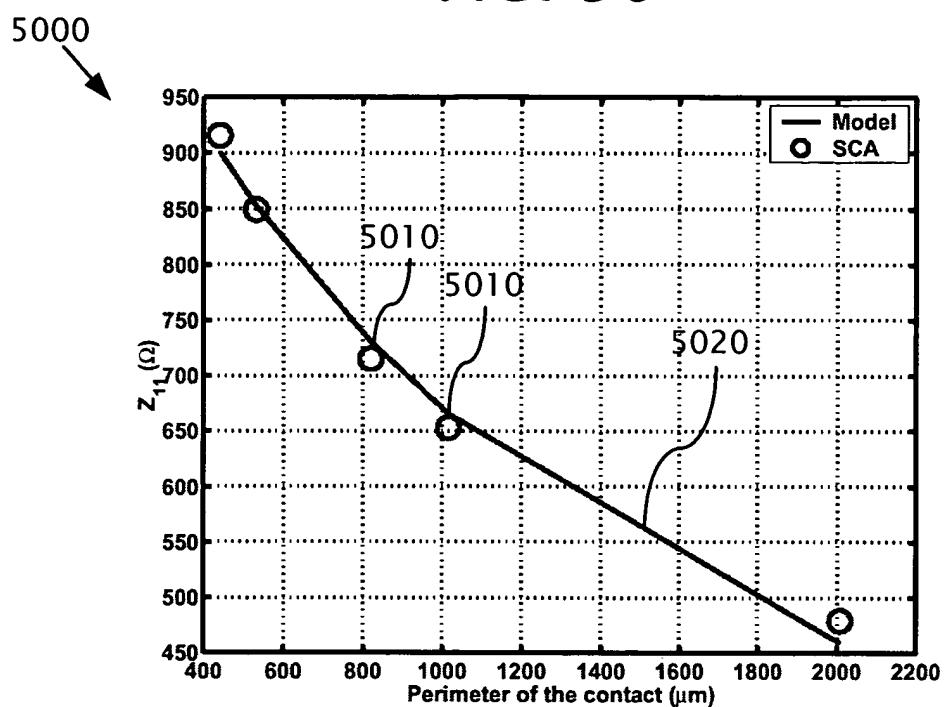
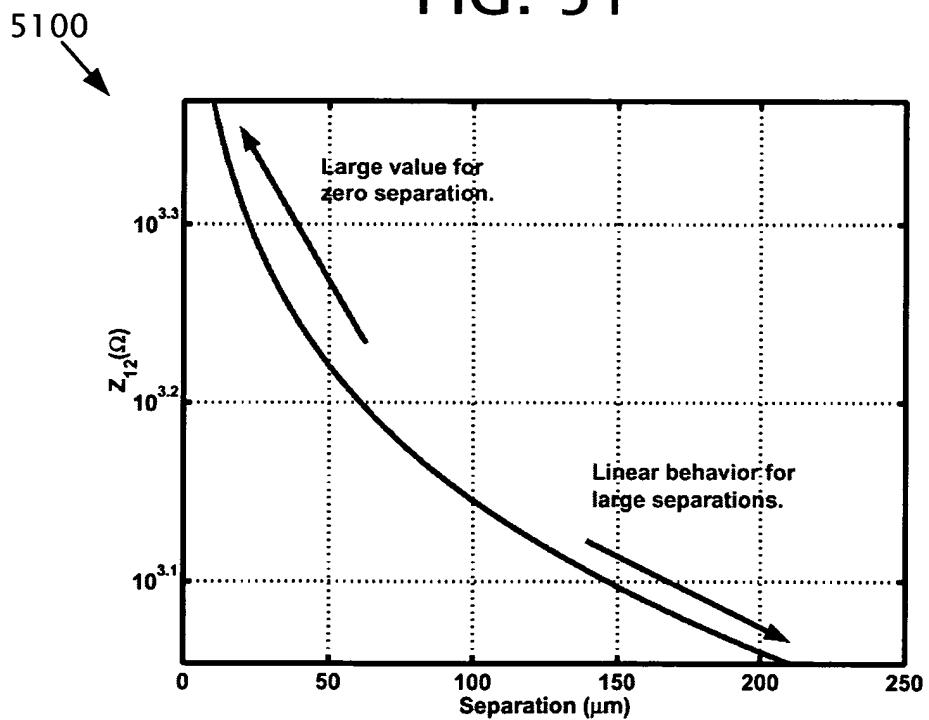


FIG. 51



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FIG. 52

